

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1. (currently amended) A fuel cell comprising:

a hydrogen flow path adapted to pass hydrogen into communication with an anode catalyst of an MEA;

a coolant flow path adapted pass a liquid coolant through the fuel cell to cool the fuel cell;

an enclosure encompassing at least a part of the hydrogen flow path~~[[,]]~~ and at least a part of the coolant flow path, ~~or both~~; and

a hydrogen vent adapted to vent hydrogen from the enclosure without reliance upon any electrical device.

2. (currently amended) A fuel cell according to Claim 1, wherein the enclosure surrounds a member selected from the group consisting of ~~one of~~ a fuel cell stack through which the hydrogen flow path and the coolant flow path pass, a coolant reservoir of the coolant flow path, and a hydrogen supply reservoir of the hydrogen flow path.

3. (original) A fuel cell according to Claim 2, wherein the hydrogen vent comprises a porous material selected from the group consisting of cellulose, plastic and metal.

4. (currently amended) A fuel cell according to Claim 1, wherein the enclosure ~~[[is]]~~ surrounds a coolant reservoir and the hydrogen vent is located within a wall of the coolant reservoir.

5. (currently amended) A fuel cell according to Claim 4, wherein the hydrogen vent is further adapted to substantially prevent the liquid coolant from passing through the vent.

6. (original) A fuel cell according to Claim 1, wherein the hydrogen vent is further adapted to maintain the hydrogen concentration within the enclosure below about 4 percent without reliance upon any electrical device.

7. (original) A fuel cell according to Claim 6, wherein the hydrogen vent is adapted to maintain a hydrogen concentration within the enclosure below about 1 percent without reliance upon any electrical device.

8. (original) A fuel cell according to Claim 1, further comprising:  
a second enclosure encompassing at least a part of the hydrogen flow path, the coolant flow path, or both; and  
a hydrogen vent adapted to vent hydrogen from the second enclosure.

9. (original) A fuel cell according to Claim 8, wherein one of the enclosure or the second enclosure encompasses the other of the enclosure or the second enclosure.

10. (original) A fuel cell according to Claim 1, wherein the hydrogen vent is further adapted to prevent a flame front from passing through the vent.

11. (original) A method of manufacturing a fuel cell, comprising:  
creating a hydrogen fuel flow path to conduct hydrogen through the fuel cell;  
creating an enclosure which captures hydrogen that leaks, directly or indirectly, from the hydrogen fuel flow path; and  
passively maintaining the level of hydrogen which leaks into the enclosure below a concentration level of about 4 percent.

12. (currently amended) A method of manufacturing a fuel cell according to Claim 11; wherein the enclosure is a coolant flow path adapted to conduct a liquid coolant through the fuel cell.

13. (currently amended) A method of manufacturing a fuel cell according to Claim 12, wherein passively maintaining the level of hydrogen further comprises selecting a porous material capable of passing hydrogen therethrough and capable of substantially preventing the liquid coolant from passing therethrough.

14. (original) A method of manufacturing a fuel cell according to Claim 13, further comprising locating the porous material in a wall of a coolant reservoir of the coolant flow path.

15. (original) A method of manufacturing a fuel cell according to Claim 12, wherein passively maintaining the level of hydrogen further comprises passively maintaining the level of hydrogen which leaks into the enclosure below a concentration level of about 1 percent.

16. (currently amended) A method of manufacturing a fuel cell according to Claim 11, further comprising creating a coolant flow path to conduct coolant through the fuel cell, and wherein the enclosure surrounds a member selected from the group consisting of ~~one of~~ a fuel cell stack through which the hydrogen fuel flow path and the coolant flow path pass, a coolant reservoir of the coolant flow path, and a hydrogen supply reservoir of the hydrogen fuel flow path.

17. (original) A method of manufacturing a fuel cell according to Claim 16, wherein passively maintaining the level of hydrogen further comprises selecting a porous material capable of passing hydrogen therethrough and capable of substantially preventing a flame front from passing therethrough.

18. (original) A method of manufacturing a fuel cell according to Claim 17, wherein selecting a porous material further comprises selecting a porous material selected from the group consisting of cellulose, plastic and metal.

19. (original) A method of manufacturing a fuel cell according to Claim 11, further comprising:

creating a second enclosure which captures hydrogen that leaks, directly or indirectly, from the hydrogen fuel flow path; and

maintaining the level of hydrogen which leaks into the second enclosure below a concentration level of about 4 percent.

20. (original) A method of manufacturing a fuel cell according to Claim 19, wherein one of the enclosure or the second enclosure encompasses the other of the enclosure or the second enclosure.

### **AMENDMENTS TO THE DRAWINGS**

The attached "Replacement Sheet" of drawings includes changes to Figure 2. The attached "Replacement Sheet," which includes Figure 2, replaces the original sheet including Figure 2.

Attachment: Replacement Sheet(s)